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Part Number: [0850090074](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612/IEC 603-2 Mixed Layout Connector, Male Style M, Right Angle, Through Hole, 0.6µm (24µ") Selective Gold (Au), 64 Circuits

Documents:
[3D Model](#) [Product Specification PS-85003-0001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [85009](#)
Application Backplane
Comments Mixed Layout
Component Type PCB Header
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style M

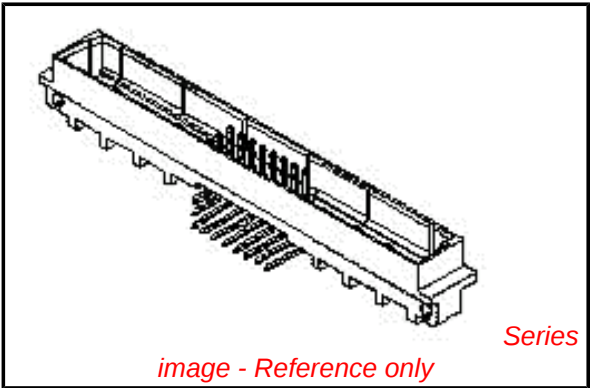
Physical

Circuits (Loaded) 64
Circuits (maximum) 64
Circuits Detail 60 + 4
Durability (mating cycles max) 400
First Mate / Last Break No
Flammability 94V-0
Guide to Mating Part No
Keying to Mating Part Yes
Number of Columns 20
Number of Pairs Open Pin Field
Number of Rows 3
Orientation Right Angle
PC Tail Length (in) 0.118 In
PC Tail Length (mm) 3.00 mm
PCB Locator No
PCB Retention None
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
Pitch - Mating Interface (in) 0.100 In
Pitch - Mating Interface (mm) 2.54 mm
Pitch - Term. Interface (in) 0.100 In
Pitch - Term. Interface (mm) 2.54 mm
Temperature Range - Operating -55°C to +125°C

Electrical

Current - Maximum per Contact 1.5A
Data Rate 622.0 Mbps
Voltage - Maximum 250V AC (RMS)

Material Info



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

China RoHS



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environmental compliance?**

Email productcompliance@molex.com
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Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
[85009Series](#)

Mates With
DIN 41612/IEC 603-2 Mixed Layout
Connector [85048](#) , [85056](#)

Use With
[85023](#) DIN 41612 Coaxial Contact

Reference - Drawing Numbers

Packaging Specification	PK-85009-001
Product Specification	PS-85003-0001
Sales Drawing	SDA-85009-0003, SDA-85009-0074

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ENTER DESCRIPTION EC NO: I2009-0039 DRAWN BY CHKD:KPRASAD APPR:KPRASAD	2008/07/28 2008/07/31 2008/08/11	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY CA	DATE 1995/06/13	TITLE 60PQS. MALE DIN CONNECTOR DIN 41612 STYLE M		
				4 PLACES	± ---	± ---	CHECKED BY KN	DATE 1995/06/13			
				3 PLACES	± ---	± ---	APPROVED BY KN	DATE 1995/06/13	MOLEX MOLEX INCORPORATED		
				2 PLACES	± ---	± ---	MATERIAL NO. -----				
				1 PLACE	± ---	± ---	ANGULAR ± 2 °		SIZE A2 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

VIEW ON MATING SIDE

[illegible]

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|---|---|----|----------|----------|-------|
| A | = | 20 | STANDARD | CONTACTS | L = 3 |
| B | = | 20 | STANDARD | CONTACTS | L = 3 |
| C | = | 20 | STANDARD | CONTACTS | L = 3 |

$S = 60$ TOTAL NUMBER OF CONTACTS

Marking	Standard
Performance level	G2/0 = Contact area level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85009-0003 sht.1
Technical Data	PS-85003-0001

C	G2/0	c7-26
B	G2/0	b7-26
A	G2/0	a7-26
Contact symbol	Per form. level	Contact position number

C	see ECN No. 2204 96/07/18 Cd	LTR	REVISIONS	FOR PREVIOUS REVISIONS SEE MFL LIST	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$						DRAWG BY	SIGN	REVISION ONLY ON CAD SYSTEM		SH.	REV.
					INCH		METRIC									
					3 PLACE $\pm$	$\pm$										
					2 PLACE $\pm$	$\pm$										
					1 PLACE $\pm$	$\pm$		KN	BY	SIGN			CHK'D BY	SIGN		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																
DESIGN DIMENSION ☐ MM ☐ IN.			SCALE	PART NO. 85009-0074	DWG NO. SDA-85009-0074	SIZE A										
EQUIVALENT DIMENSION ☐ MM ☐ IN.																
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY																

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